

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5**

**DEC 3 2015**

**IN THE MATTER OF:**

Adkins Energy, LLC  
4350 West Galena Road  
P.O. Box 227  
Lena, Illinois 61048

**ATTENTION:**

Christopher Posey  
Environmental & Safety Manager

**Request to Provide Information Pursuant to the Clean Air Act**

The U.S. Environmental Protection Agency is requiring Adkins Energy, LLC (Adkins or you) to submit certain information about the facility at 4350 West Galena Road, Lena Illinois. Appendix A provides the instructions needed to answer this information request, including instructions for electronic submissions. Appendix B specifies the information that you must submit. You must send this information to us within forty-five (45) calendar days after you receive this request.

We are issuing this information request under Section 114(a) of the Clean Air Act (the CAA), 42 U.S.C. § 7414(a). Section 114(a) authorizes the Administrator of EPA to require the submission of information. The Administrator has delegated this authority to the Director of the Air and Radiation Division, Region 5.

Adkins owns and operates an emission source at the Lena, Illinois facility (Facility). We are requesting this information to determine whether your emission source is complying with the Illinois State Implementation Plan.

Adkins must send all required information to:

Attn: Compliance Tracker, AE-17J  
Air Enforcement and Compliance Assurance Branch  
U.S. Environmental Protection Agency  
Region 5  
77 W. Jackson Boulevard  
Chicago, Illinois 60604

Adkins must submit all required information under an authorized signature with the following certification:

I certify under penalty of law that I have examined and am familiar with the information in the enclosed documents, including all attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to Section 113(c)(2) of the Clean Air Act and 18 U.S.C. §§ 1001 and 1341.

As explained more fully in Appendix C, you may assert a claim of business confidentiality under 40 C.F.R. Part 2, Subpart B for any part of the information you submit to us. Information subject to a business confidentiality claim is available to the public only to the extent, and by means of the procedures, set forth at 40 C.F.R. Part 2, Subpart B. If you do not assert a business confidentiality claim when you submit the information, EPA may make this information available to the public without further notice. You should be aware, moreover, that pursuant to Section 114(c) of the CAA and 40 C.F.R. § 2.301(a) and (f), emissions data, standards and limitations are not entitled to confidential treatment and shall be made available to the public notwithstanding any assertion of a business confidentiality claim. Appendix C provides additional information regarding the meaning and scope of the term "emissions data."

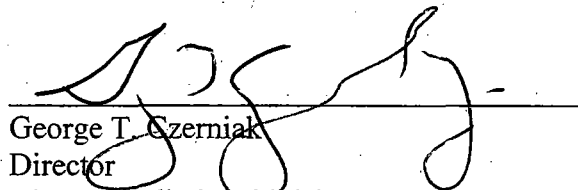
This information request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 *et seq.*, because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

We may use any information submitted in response to this request in an administrative, civil or criminal action.

Failure to comply fully with this information request may subject Adkins to an enforcement action under Section 113 of the CAA, 42 U.S.C. § 7413.

You should direct any questions about this information request to Scott Connolly at 312-886-1493. Any legal questions should be directed to Tamara Carnovsky, Associate Regional Counsel at 312-886-2250.

12/2/15  
Date

  
George T. Czerniak  
Director  
Air and Radiation Division

## **Appendix A**

When providing the information requested in Appendix B, use the following instructions and definitions.

### **Instructions**

1. Provide a separate narrative response to each question and subpart of a question set forth in Appendix B.
2. Precede each answer with the number of the question to which it corresponds and at the end of each answer, identify the person(s) who provided information used or considered in responding to that question, as well as each person consulted in the preparation of that response.
3. Indicate on each document produced, or in some other reasonable manner, the number of the question to which it corresponds.
4. When a response is provided in the form of a number, specify the units of measure of the number in a precise manner.
5. Where information or documents necessary for a response are neither in your possession nor available to you, indicate in your response why the information or documents are not available or in your possession, and identify any source that either possesses or is likely to possess the documents or information.
6. If information not known or not available to you as of the date of submission later becomes known or available to you, you must supplement your response. Moreover, should you find at any time after the submission of your response that any portion of the submitted information is false or incorrect, you must notify EPA as soon as possible.

### **Electronic Submissions**

To aid in our electronic recordkeeping efforts, we request that you provide all documents responsive to this information request in an electronic format according to paragraphs 1 through 6, below. These submissions are in lieu of hard copy.

1. Provide all responsive documents in Portable Document Format (PDF) or similar format, unless otherwise requested in specific questions. If the PDFs are scanned images, perform at least Optical Character Recognition (OCR) for "image over text" to allow the document to be searchable. Submitters providing secured PDFs should also provide unsecured versions for EPA use in repurposing text.
2. When specific questions request data in electronic spreadsheet form, provide the data and corresponding information in editable Excel or Lotus format, and not in image format. If Excel or Lotus formats are not available, then the format should

allow for data to be used in calculations by a standard spreadsheet program such as Excel or Lotus.

3. Provide submission on physical media such as compact disk, flash drive or other similar item.
4. Provide a table of contents for each compact disk or flash drive containing electronic documents submitted in response to our request so that each document can be accurately identified in relation to your response to a specific question. *We recommend the use of electronic file folders organized by question number.* In addition, each compact disk or flash drive should be labeled appropriately (e.g., Company Name, Disk 1 of 4 for Information Request Response, Date of Response).
5. Documents claimed as confidential business information (CBI) must be submitted on separate disks/drives apart from the non-confidential information. This will facilitate appropriate records management and appropriate handling and protection of the CBI. Please follow the instructions in Appendix C for designating information as CBI.
6. Certify that the attached files have been scanned for viruses and indicate what program was used.

#### **Definitions**

All terms used in this information request have their ordinary meaning unless such terms are defined in the CAA, 42 U.S.C. §§ 7401 *et seq.*, or

1. The terms "document" and "documents" shall mean any object that records, stores, or presents information, and includes writings, memoranda, records, or information of any kind, formal or informal, whether wholly or partially handwritten or typed, whether in computer format, memory, or storage device, or in hardcopy, including any form or format of these. If in computer format or memory, each such document shall be provided in translation to a form useable and readable by EPA, with all necessary documentation and support. All documents in hard copy should also include attachments to or enclosures with any documents.
2. The terms "relate to" or "pertain to" (or any form thereof) shall mean constituting, reflecting, representing, supporting, contradicting, referring to, stating, describing, recording, noting, embodying, containing, mentioning, studying, analyzing, discussing, evaluating or relevant to.

## Appendix B

### Information You Are Required to Submit to EPA

Adkins must submit the following information about the Facility pursuant to Section 114(a) of the CAA, 42 U.S.C. § 7414(a) within 45 days of receiving this request.

1. Provide map(s) or drawing(s), identifying all air emissions sources and associated processes at the Facility, including, but not limited to: boilers, turbines, grain receiving and handling operations, corn storage bins, hammer mills, cooking and liquefaction processes, fermentation process, afterburners, distillation process, dryers, ethanol loading systems, scrubbers, baghouses, and tanks.
2. Provide a copy of each air permit issued to Adkins for the Facility by Illinois Environmental Protection Agency (IEPA) from October 2004 to the present. The air permits include but are not limited to, operating permits, construction permits, and permit amendments.
3. Provide a copy of all permit applications that were submitted to IEPA to obtain the operating permit issued in 2004 and all subsequent permits.
4. From January 1, 2011, to the present, provide copies of all annual emission reports submitted to IEPA, and include:
  - a. a narrative describing the method used for the annual emission calculations for each pollutant, including the basis of any emission factors used; and
  - b. any documents outlining procedures for calculating annual emissions.
5. From January 1, 2005, to the present, provide a list of all emission tests conducted at the Facility and provide copies of all emission test reports. Emission testing includes, but is not limited to, compliance testing, engineering testing, stack testing, and testing for general information. Use the following guidelines for compiling the list and preparing copies of the emission test reports.
  - a. **List:** Identify the emission unit, the date of the test, the federal or state regulation requiring the test (if applicable), the test method(s) used, the physical location of the sample collection points (e.g., before or after emission unit or air pollution control device), and the production rate of the associated emission unit. For each test during which the emission unit was not operating at maximum design capacity, provide an explanation for why production was limited. Indicate whether the report was shared with IEPA.
  - b. **Copies:** Provide full emission test reports, including the summary pages, the section describing the process parameters and production or processing rates at the time of the test, all test runs, and all calculations.

6. From January 1, 2010, to the present, provide copies of all Method 9 (visible emissions or opacity) readings performed at the Facility.
7. From January 1, 2010, to the present, provide copies of all quarterly reports, semi-annual compliance reports, deviation reports, or equivalent documents submitted to IEPA or EPA.
8. From January 1, 2011, to the present, provide the following documents related to Hazardous Air Pollutants (HAP):
  - a. records of monthly and 12-month rolling emissions of individual HAP and total HAP emissions;
  - b. emission amounts from each emission unit in tons per year, pounds per hour and as a percent of VOM limit; and
  - c. an explanation for how the emission amounts are calculated, including the source of any emission factors used.
9. From January 1, 2011, to the present, provide records of the 12-month rolling sum for:
  - a. ethanol production, without denaturant (gallons/year); and
  - b. corn throughput, based on 56 pounds per bushel (tons/year)
10. From January 1, 2011, to the present, provide the total annual production capacity (in million gallons of denatured ethanol). For months when the total capacity increased from the previous month, provide a brief explanation for the cause of the increase.
11. From January 1, 2011, to the present, provide an electronic spreadsheet with the following information for the boiler emission units EU013 and EU014:
  - a. fuel usage for boilers;
  - b. steam production for each boiler;
  - c. monthly and annual emissions from each boiler; and
  - d. boiler maintenance and modification records.
12. From January 1, 2011 to the present, provide an electronic spreadsheet with the following information for the fermentation scrubber (CE002):
  - a. the recorded pressure drop across the scrubber;
  - b. the pressure drop operating range, established for regulatory compliance, the method used to establish the values (reference performance test as applicable), and the effective date of these operating limits;
  - c. the corrective action taken for each deviation from the pressure drop operating range;
  - d. the recorded scrubber liquid flow rate;
  - e. the minimum scrubber liquid flow rate established for regulatory compliance, the method used to establish the values (reference performance test as applicable), and the effective date of these operating limits;
  - f. the corrective action taken for each deviation from the minimum scrubber water flow rate;
  - g. the date and duration of all scrubber shutdowns; and

- h. the date and duration of periods that scrubber was not in operation but associated emission units were in operation.
- 13. Explain how emissions ducted to the fermentation scrubber (CE002) are handled in the event of a scrubber shutdown.
- 14. From January 1, 2011 to the present, provide an electronic spreadsheet with the following information for the distillation scrubber (CE003):
  - a. the recorded pressure drop across the scrubber;
  - b. the pressure drop operating range, established for regulatory compliance, the method used to establish the values (reference performance test as applicable), and the effective date of these operating limits;
  - c. the corrective action taken for each deviation from the pressure drop operating range;
  - d. the recorded scrubber liquid flow rate;
  - e. the minimum scrubber liquid flow rate established for regulatory compliance, the method used to establish the values (reference performance test as applicable), and the effective date of these operating limits;
  - f. the corrective action taken for each deviation from the minimum scrubber water flow rate;
  - g. the date and duration of all scrubber shutdowns;
  - h. the date and duration of periods that scrubber was not in operation, but associated emission units were in operation;
  - i. records of the calibration of the temperature monitor; and
  - j. records of the quarterly and annual inspections of the control equipment.
- 15. Explain how emissions ducted to the distillation scrubber (CE003) are handled in the event of a scrubber shutdown.
- 16. Provide records documenting construction and start-up or removal of the venturi scrubber including:
  - a. the construction permit;
  - b. initial startup monitoring records and results;
  - c. flow and pressure drop records from January 1, 2011, to the present,
  - d. the pressure drop and water flow operating ranges, established for regulatory compliance, the method used to establish the values (reference performance test as applicable), and the effective date of these operating limits; and
  - e. records of events when the scrubber was removed and returned to operation from January 1, 2011, to the present.
- 17. From January 1, 2011, to the present, provide an electronic spreadsheet with the following information for all afterburners or thermal oxidizers in use:
  - a. daily records showing the hours of and reasons for the by-passing of the afterburner;
  - b. records of any corrective action taken in response to all afterburner bypass events;



- c. the recorded operating temperature and the three-hour rolling average temperature;
  - d. the minimum operating temperatures established for regulatory compliance, the method used to establish the values (reference performance test as applicable), and the effective date of these operating limits;
  - e. the corrective action taken for each deviation from minimum operating temperature;
  - f. records of the calibration of the temperature monitor; and
  - g. records of the quarterly and annual inspections of the control equipment.
18. From January 1, 2011, to the present, provide the following information for each of the fabric filters in the Grain Handling and Processing, Grain Milling and Feed Storage and Loadout:
- a. calculations or assessments of the unit's capture efficiency and control efficiency for total particulate matter, particulate matter less than 10 microns (PM10), and particulate matter less than 2.5 microns (PM2.5);
  - b. the pressure drop operating range established for regulatory compliance, the method used to establish the values (reference performance test as applicable), and the effective date of these operating limits;
  - c. records of visible emissions checks;
  - d. the recorded pressure drop across the filters;
  - e. the corrective action taken for each deviation from the pressure drop operating range or any visible emissions;
  - f. records of control equipment component inspections and annual hood evaluations; and
  - g. documentation of periods when the fabric filter was not in operation, but the associated emission unit(s) were in operation.
19. Provide documents on the biodiesel capacity expansion project that began construction in November 2013, including, but not limited to;
- a. description of expansion project;
  - b. Start-up date or projected start-up date;
  - c. annual capacity of biodiesel in gallons, before and after the expansion;
  - d. list of emissions units and control equipment;
  - e. projected preconstruction hourly (pounds per hour) and annual (tons per year) emissions estimations; and
  - f. actual hourly and annual emissions since plant expansion has come online.
20. From January 1, 2011, to the present, provide the following for the Facility's leak detection and repair program:
- a. a copy of all applicable notifications and reporting documents required by 40 C.F.R. § 60.487a;
  - b. any permit deviation reports (quarterly compliance reports); and
  - c. a copy of the most recent leaking components monitoring log, which lists all components tested and the status of each component inspected during the monitoring period.

## **Appendix C**

### **Confidential Business and Personal Privacy Information**

#### **Assertion Requirements**

You may assert a business confidentiality claim covering any parts of the information requested in the attached Appendix B, as provided in 40 C.F.R. § 2.203(b).

Emission data provided under Section 114 of the CAA, 42 U.S.C. § 7414, is not entitled to confidential treatment under 40 C.F.R. Part 2.

“Emission data” means, with reference to any source of emissions of any substance into the air:

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of any emission which has been emitted by the source (or of any pollutant resulting from any emission by the source); or any combination of the foregoing;

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and

A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source).

40 C.F.R. § 2.301(a)(2)(i)(A), (B) and (C).

To make a confidentiality claim, submit the requested information and indicate that you are making a claim of confidentiality. Any document for which you make a claim of confidentiality should be marked by attaching a cover sheet stamped or typed with a caption or other suitable form of notice to indicate the intent to claim confidentiality. The stamped or typed caption or other suitable form of notice should employ language such as “trade secret” or “proprietary” or “company confidential” and indicate a date, if any, when the information should no longer be treated as confidential. Information covered by such a claim will be disclosed by EPA only to the extent permitted and by means of the procedures set forth at Section 114(c) of the CAA and 40 C.F.R. Part 2. Allegedly confidential portions of otherwise non-confidential documents should be clearly identified. EPA will construe the failure to furnish a confidentiality claim with your response to the Request to Provide Information as a waiver of that claim, and the information may be made available to the public without further notice to you.

## Determining Whether the Information is Entitled to Confidential Treatment

All confidentiality claims are subject to EPA verification and must be made in accordance with 40 C.F.R. § 2.208, which provides in part that you must satisfactorily show that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so; that the information is not and has not been reasonably obtainable by legitimate means without your consent and that disclosure of the information is likely to cause substantial harm to your business's competitive position.

Pursuant to 40 C.F.R. Part 2, Subpart B, EPA may at any time send you a letter asking that you support your confidential business information (CBI) claim. If you receive such a letter, you must respond within the number of days specified by EPA. Failure to submit your comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider confidential **by page, paragraph, and sentence**. Any information not specifically identified as subject to a confidentiality claim may be disclosed to the requestor without further notice to you. For each item or class of information that you identify as being CBI, EPA will ask that you answer the following questions, giving as much detail as possible:

1. For what period of time do you request that the information be maintained as confidential, e.g., until a certain date, until the occurrence of a special event, or permanently? If the occurrence of a specific event will eliminate the need for confidentiality, please specify that event.
2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question number 1?
3. What measures have you taken to protect the information claimed as confidential? Have you disclosed the information to anyone other than a governmental body or someone who is bound by an agreement not to disclose the information further? If so, why should the information still be considered confidential?
4. Is the information contained in any publicly available databases, promotional publications, annual reports or articles? Is there any means by which a member of the public could obtain access to the information? Is the information of a kind that you would customarily not release to the public?
5. Has any governmental body made a determination as to confidentiality of the information? If so, please attach a copy of the determination.
6. For each category of information claimed as confidential, **explain with specificity** why release of the information is likely to cause substantial harm to

your competitive position. Explain the specific nature of those harmful effects, why they should be viewed as substantial and the causal relationship between disclosure and such harmful effects. How could your competitors make use of this information to your detriment?

7. Do you assert that the information is submitted on a voluntary or a mandatory basis? Please explain the reason for your assertion. If you assert that the information is voluntarily submitted information, explain whether and why disclosure of the information would tend to lessen the availability to EPA of similar information in the future.
8. Is there any other information you deem relevant to EPA's determination regarding your claim of business confidentiality?

If you receive a request for a substantiation letter from the EPA, **you bear the burden of substantiating your confidentiality claim.** Conclusory allegations will be given little or no weight in the determination. In substantiating your CBI claim(s), you must bracket all text so claimed and mark it "CBI." Information so designated will be disclosed by EPA only to the extent allowed by and by means of the procedures set forth in 40 C.F.R. Part 2, Subpart B. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.

#### **Personal Privacy Information**

Please segregate any personnel, medical and similar files from your responses and include that information on a separate sheet(s) marked as "Personal Privacy Information." Disclosure of such information to the general public may constitute an invasion of privacy.

**CERTIFICATE OF MAILING**

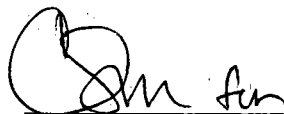
I, Loretta Shaffer, certify that I sent a Request to Provide Information Pursuant to the  
Clean Air Act by Certified Mail, Return Receipt Requested, to:

Christopher Posey,  
Environmental & Safety Manager  
Adkins Energy  
4350 W. Galena Road  
Lena, IL 61048

I also certify that I sent a copy of the Request to Provide Information Pursuant to the  
Clean Air Act by First-Class Mail to:

Eric Jones, Manager  
Bureau of Air, Compliance and Enforcement  
Illinois Environmental Protection Agency  
P.O. Box 19506  
Springfield, Illinois 62794

On the 3 day of December 2015.



Loretta Shaffer, Program Technician  
AECAB, PAS

CERTIFIED MAIL RECEIPT NUMBER: 7014 2870 0001 9581 3871